

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number	10618684
Filing Date	2003-07-15
First Named Inventor	Stephen B. Alexander
Art Unit	2613
Examiner Name	SEDIGHIAN, REZA
Attorney Docket Number	10.0116.CIP.DIV.B

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MRS	1	5774244		1998-07-30	Tandon et al.	

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MRS	1	WO95/19689	GB		1995-07-20	TANDON, Vivek		<input type="checkbox"/>
MRS	2	WO92/18890	US		1992-10-29	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF	p. 5, line 5 - p. 6, line 29 p. 7, lines 3-21 p. 9, lines 8-32 p. 14, lines 4-20 p. 16, line 8-p. 17 line 30	<input type="checkbox"/>

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MRS	1	S.B. ALEXANDER ET AL, "A Precompetitive Consortium on Wide-Band All-Optical Networks", May 1993, pp. 714-732, Vol. 11, no. 5/6, Journal of Lightwave Technology, New York, USA	<input type="checkbox"/>
MRS	2	T.E. STERN ET AL, "Linear Lightwave Networks: Performance Issues", May 1993, pp. 937-950, Vol. 11, no. 5/6, Journal of Lightwave Technology, XP218892, New York, USA	<input type="checkbox"/>
MRS	3	T.E. STERN, "Linear Lightwave Networks: how far can they go?", December 2-5, 1990, pp. 1866-1872, Vol. 3, IEEE Global Telecommunications Conference Record, XP337910, San Diego, USA	<input type="checkbox"/>
MRS	4	S.S. WAGNER ET AL, "Multiwavelength Ring Networks for Switch Consolidation and Interconnection", June 14-18, 1992, pp. 1173-1179, Vol. 3, International Conference on Communications, XP337910, Chicago, USA	<input type="checkbox"/>
MRS	5	G.R. HILL, "A Wavelength Routing Approach to Optical Communications Networks", March 29-31, 1988, pp. 354-362, Proceedings, Seventh Annual Joint Conference of the IEEE Computer and Communication Societies, Infocom '88, XP44787, New Orleans, USA	<input type="checkbox"/>
MRS	6	M.S. GOODMAN ET AL, "The LAMBDANET Multiwavelength Network: Architecture, Applications, and Demonstrations", August 1990, pp. 995-1004, IEEE Journal on Selected Areas in Communications, Vol. 8, no. 6, XP471589, New York, USA	<input type="checkbox"/>
MRS	7	TOMIZAWA M ET AL, "Forward Error Correcting Codes in Synchronous Fiber Optic Transmission Systems", January 1997, pp. 43-51, Journal of Lightwave Technology, vol. 15, no. 1, XP000642276	<input type="checkbox"/>

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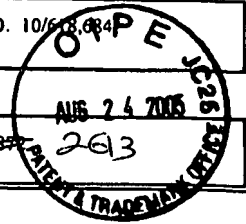
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Form PTO-1449 (Rev. 7-80)	U.S. Department of Commerce Patent & Trademark Office	ATTY. DOCKET NO.: 10.0116.CIP.DIV.B	SERIAL NO. 10/518,684
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANTS: STEPHEN b. ALEXANDER et al.	
		FILING DATE: 7/15/03	GROUP: 287 2613



U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AH							
	AJ							

OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, etc.)

MRS	AK	European Patent Office Search Report dated April 6, 2005
		European Patent Office Search report dated July 14, 2005
MRS	AL	WO 95/19689
		"FORWARDING ERROR CORRECTING CODES IN SYNCHRONOUS FIBER OPTIC TRANSMISSION SYSTEMS" Journal of Lightwave Technology, vol. 15, no. 1, January 1997

Examiner: M.R. SEDIKHIAN	Date considered: 8/20/07
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US Comm-DC 80-3985

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				ATTY DOCKET NO. 4450-0386P		APPLICATION NO. Unassigned 10/618,684		
				APPLICANT Stephen B. Alexander, et al.				
				FILING DATE July 14, 2003		GROUP Unassigned 2613		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
MRS	US 5,487,120		01/1996	Choy et al.				
MRS	US 5,467,212		11/1995	Huber				
MRS	US 5,784,184		07/1998	Alexander et al.	359	125		
MRS	US 5,887,039		03/1999	Suemura et al.	375	365		
MRS	US 6,233,077		05/2001	Alexander et al.	359	133		
MRS	US 4,641,371		02/1987	Shutterly	455	601		
MRS	US 4,807,227		10/1987	Fujiware et al.	370	3		
MRS	US 4,945,531		07/1990	Suzuki	370	3		
MRS	US 5,050,952		09/1991	Fussgager	359	114		
MRS	US 5,140,456		08/1992	Huber	359	341		
FOREIGN PATENT DOCUMENTS								
Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)								
Ogata et al., OFC '96 Technical Digest, Tul2, pps. 42-44								
Suzuki et al., Journal of Lightwave Technology, Vol. 8, No. 5, pps. 660-665, May 1990								
Thembley et al., 10th Annual National Fiber Optic Engineers Conference, June 12-16, 1994, pps. 283-294								
Aoki et al., ACOFT'95, pps. 355-358								
EXAMINER M. R. SEDIGHIAN				DATE CONSIDERED 8/20/07				
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				APPLICANT Stephen B. Alexander, et al.		GROUP 2613 Unassigned			
				FILING DATE July 14, 2003					
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
MRS	US 5,166,821		11/1992	Huber	359	238			
MRS	US 5,200,964		01/1992	Huber	372	26			
MRS	US 5,257,124		08/1991	Glaab, et al.	359	124			
MRS	US 5,267,073		11/1993	Tamburello, et al.	359	179			
MRS	US 5,271,024		12/1993	Huber	372	6			
MRS	US 5,295,209		03/1994	Huber	385	37			
MRS	US 5,321,543		10/1992	Huber	359	187			
MRS	US 5,532,864		07/1996	Alexander, et al.	359	174			
MRS	US 5,504,609		04/1996	Alexander, et al.	359	125			
MRS	US 5,483,372		01/1996	Green, Jr.	359	179			
FOREIGN PATENT DOCUMENTS									
	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)									
Gower, Ed., Optical Communication Systems, (Prentice Hall, NY), c. 1993, pps. 1-25									
Chen, Proc. IEEE, Vol. 58, No. 120, Oct. 1970, pps. 1440-1457									
Desurvire, Erbium-Doped Fiber Amplifiers, (John Wiley & Sons, NY), c. 1994, pps. 560-575									
Bjarklev, Optical Fiber amplifiers, (Artech House, Boston), c. 1993, pps. 193-233									
EXAMINER				DATE CONSIDERED					
M.R. SEDIGHIAN				8/20/07					
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				APPLICANT Stephen B. Alexander, et al.		FILING DATE July 14, 2003	
				GROUP <u>2613</u>		Unassigned	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
MRS	US 5,339,183		08/1994	Suzuki	359	133	
MRS	US 4,933,929		06/1990	Tajima	359	133	
MRS	US 5,608,571		03/1997	Epworth, et al.	359	124	
MRS	US 5,493,625		02/1996	Glance	359	124	
MRS	US 5,465,267		11/1995	Todoroki	375	278	
MRS	US 5,559,910		09/1996	Taga, et al.	385	24	
MRS	US 6,031,644		02/2000	Utsumi	359	110	
MRS	US 5,455,699		10/1995	Glance, et al.	359	125	
MRS	US 5,363,229		11/1994	Sakurai, et al.	359	158	

FOREIGN PATENT DOCUMENTS								
Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS	
	(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)
	Becker, IEEE J. Quantum Elec., Vol. QE-20, No. 7, July, 1984, pps. 723-727
	Fan, et al., Optics & Photonics News, Feb. 1995, pp. 26-32
	Morey, et al., Optics and Photonics News, Feb. 1994, pps. 8-14
	Wood, J. Lightwave Tech., Vol. 6, No. 6, June, 1988, pps. 743-757

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Tomizawa, M., et al., "Forward Error Correcting Codes in Synchronous Fiber Optic Transmission Systems", Journal of Lightwave Technology, Vol. 15, No. 1, January 1997, pps. 43-51		
Jeong, G., et al., "Long-Distance Parallel Data Link Using WDM Transmission with Bit-Skew Compensation", Journal of Lightwave Technology, Vol. 14, No. 5, May, 1996, pps. 655-660		
Show-Kuo, Shao, et al., "WDM Coding for High-Capacity Lightwave Systems", Journal of Lightwave Technology, Vol. 12, No. 1, January 1994, pps. 137-148		
Sian, S., et al., "40GBIT/S (16 x 2.5GBIT/S) Unrepeated Transmission Over 427KM", Electronics Letters, Vol. 32, No. 1, January 1996, pps. 50-51		
Castagnozzi, D.M., et al., "High Data Rate Error Correcting Coding", SPIE International Symposium OE/LASE '94 January 27, Los Angeles, CA, paper 2123-37		
Castagnozzi, D.M., et al., "Performance of a 1 Gbit/s Optically Preamplified Communication System With Error Correcting Coding", Electronics Letters, Vol. 30, No. 1, pps. 65-66, 1994		
Pamart, J.L., et al., "Forward Error Correction in a 5 Gbit/s 6400 km EDFA-Based System", Electronics Letters, Vol. 30, No. 4, pps. 342-343, 1994		
Yamamoto, S., et al., "BER Performance Improvement by Forward Error Correcting Code in 5 Gbit/s 2000 km EDFA Transmission System", Electronics Letters, Vol. 30, No. 9, pps. 718-719, 1994		
Hansen, P.B., et al., "529km Unrepeated Transmission at 2.488 Gbit/s Using Dispersion Compensation, Forward Error Correction, and Remote Post and Pre-amplifiers Pumped by Diode-pumped Raman Lasers", Electronics Letters, Vol. 31, No. 17, pps. 1460-1461, 1995		
Tomizawa, M., et al., "STM-64 Linearly Repeated Optical Transmission Experiment Using Forward Error Correcting Codes", Electronics Letters, Vol. 31, No. 12, pps. 1001-1002, 1995		
Cryan, Robert A., "Performance of an Optically Preamplified System with Error Correction", IEEE International Conference on Communication Systems, Singapore, pps. 173-176, 1994		
Pamart, J.L., et al., "Using Forward Error Correcting in a 5 Gbit/s 6400 km EDFA-Based System", OEC, 1994		
Castagnozzi, D.M., et al., "High Data Rate Error Correcting Coding", SPIE Symposium Free Space Laser Communications, 1994		
Gabla, P.M., et al., "401 km, 622 mb/s and 357 km, 2.488 Gb/s IM/DD Repeaterless Transmission Experiments Using Erbium-Doped Fiber Amplifiers and Error Correcting Code", IEEE Photonics Technology Letters, Vol. 4, Vol. 10, pps. 1148-1151, 1992		
Jhy Horng, Wu, et al., "Coding to Improve Receiver Sensitivity for the Optical Intensity Modulation Direct-Detection System", Journal of Optical Communications, Vol. 14, pps. 217-222, 1993		
EXAMINER M.R. SEDIGHIAN	DATE CONSIDERED 8/20/07	
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	APPLICANT Stephen B. Alexander, et al.	
	FILING DATE July 14, 2003	GROUP 263 Unassigned
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Yamamoto, S., et al., "5 Gbit/s Optical Transmission Terminal Equipment Using Forward Error Correcting Code and Optical Amplifier", Electronics Letters, Vol. 30, No. 3, pps. 254-255, 1994		
Summerfield, M.S., et al., "All Optical TDM to WDM Conversion in a Semiconductor Optical Amplifier", Electronics Letters, Vol. 30, No. 3, pps. 255, 1994		
Livas, J.C., et al., "Forward Error Correction in a 1 Gbit/s/Channel Wavelength-Division-Multiplexed System", Proc. IEEE/LEOS Summer Topical on Optical Networks and Their Enabling Technologies, paper #W2.5, pps. 61-62, July 1994, Abstract		
Cryan, R.A., "A Reed-Solomon Coded Optically Preamplified PPM System, Microwave and Optical Technology Letter, Vol. 9, No. 3, 1995		
EXAMINER M.R. SEDIGHIAN	DATE CONSIDERED 8/20/07	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
MRS	US 4,677,618		06/1987	Haas, et al.	371	1	
MRS	US 4,736,120		04/1988	Foster	307	269	
MRS	US 4,989,199		01/1991	Rzeszewski	370	1	
MRS	US 5,065,396		11/1991	Castellano, et al.	370	84	
MRS	US 5,185,736		02/1993	Tyrrell, et al.	370	55	
MRS	US 5,283,686		02/1994	Huber	359	337	
MRS	US 5,321,543		06/1994	Huber	359	187	
MRS	US 5,461,622		10/1995	Bleickardt, et al.	370	84	
MRS	US 5,157,530		10/1992	Loeb, et al.	359	124	
MRS	US 5,557,439		09/1996	Alexander, et al.	359	130	

FOREIGN PATENT DOCUMENTS									
	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
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	EP	0310058		09/1988	Europe	H04Q	11/00		
	EP	0436293		11/1990	Europe	H04L	25/14		
	EP	0438022		12/1990	Europe	H04J	14/02		
	EP	0488241		11/1991	Europe	H04J	14/02		

OTHER DOCUMENTS	
(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)	
"1993 Technical Digest Series, Vol. 4, Post-Conference Edition," Conference on Optical-Fiber-Communication/International Conference on Integrated Optics and Optical Fiber Communication, pps. 335-337, (1993)	
"Sonet Inter-Carrier Interface Physical Layer Generic Criteria for Carriers," GR-1374 Core, Issue 1, (1994)	
"Sonet Regenerator (SONET ROTR) Equipment Generic Criteria, " TR-NWT-000917, Issue 1, (1990)	
"Synchronous Optical Network (SONET) Transport Systems: Common Generic Criteria," GR-253-Core, Issue 1, (1994)	

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-------------------------------------	-----------------------------------

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MRS	US 5,710,650		01/1998	Dugan	359	133	
MRS	US 5,715,076		01/1998	Alexander, et al.	359	130	
MRS	US 5,938,309		08/1990	Taylor	357	124	
	US						
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F. Bilodeau, et al, "High-Return-Loss Narrowband All-Fiber Bandpass Bragg Transmission Filter," IEEE Photonics Technology Letters, Vol. 6, No. 1, 1994, pps. 80-82							
D.A. Bryan, et al, "Integral Grating Coupler on an Optical Fiber," SPIE-Vol. 574- Fiber Optic Couplers, Connectors, and Splice Technology II, pps. 56-61 (1985)							
Michael Corke, "Wavelength Division Multiplexers: Requirements, Installation and Testing," The 10th Annual National Fiber Optic Engineers Conference, Vol. 4, pps. 79-94 (1994)							
F. Diner et al., Network Design Consideration of n-channel WDM Architectures with EDFAs for Central Office Applications, National Fiber Optic Engineers Conf., pps. 1207-1214, June 10-22, 1995							
Jay Duncanson, "Inverse Multiplexing," IEEE Communications Magazine, pps. 35-41, (1994)							
"Report of the Question 25/15 Expert Meeting, 10-12 Oct. 1994," International Telecommunication Union, pps. 4-5, (1994)							
"Implementation of a Forward Error Correcting Code in Multigigabit Optical Fiber Submarine Cable Systems," International Telecommunications Union COM 125-82E pps. 1-13 (1994)							
Wayne D. Grover, et al., "Design and Characterization of an Error-Correcting Code for the SONET STS-1 Tributary," IEEE Transactions on Communications, Vol. 38, No. 4, pps. 467-476, (1990)							
IEEE Journal on Selected Areas in Communications, Vol. 8, No. 6, pps. 945-1222 (1990)							
Akira Inoue, et al., "Fabrication and Application of Fiber Bragg Grating - A Review," Optoelectronics Devices and Technologies, Vol. 10, No. 1, pps. 119-130, (1995)							
EXAMINER M.R. SEDIGHIAN				DATE CONSIDERED 8/20/07			
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MRS	US 5,715,076		01/2998	Alexander, et al.	359	130	
MRS	US 5,938,309		08/1990	Taylor	357	124	
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F. Bilodeau, et al., "High-Return-Loss Narrowband All-Fiber Bandpass Bragg Transmission Filter," IEEE Photonics Technology Letters, Vol. 6, No. 1, 1994, pps. 80-82							
D.A. Bryan, et al., "Integral Grating Coupler on an Optical Fiber," SPIE Vol. 574 Fiber Optic Couplers, Connectors, and Splice Technology II, pps. 56-61 (1985)							
Michael Corke, "Wavelength Division Multiplexers: Requirements, Installation and Testing," The 10th Annual National Fiber Optic Engineers Conference, Vol. 4, pps. 79-94 (1994)							
F. Diner et al., Network Design Consideration of n-channel WDM Architectures with EDFAs for Central Office Applications, National Fiber Optic Engineers Conf., pps. 1207-1214, June 18-22, 1995							
Jay Duncanson, "Inverse Multiplexing," IEEE Communications Magazine, pps. 35-41, (1994)							
"Report of the Question 25/15 Expert Meeting, 10-12 Oct. 1994," International Telecommunication Union, pps. 4-5, (1994)							
"Implementation of a Forward Error Correcting Code in Multigigabit Optical Fiber Submarine Cable Systems," International Telecommunications Union COM-125-82E pps. 1-13 (1994)							
Wayne D. Grover, et al., "Design and Characterization of an Error-Correcting Code for the SONET STS-1 Tributary," IEEE Transactions on Communications, Vol. 38, No. 4, pps. 467-476, (1990)							
IEEE Journal on Selected Areas in Communications, Vol. 8, No. 6, pps. 945-1222 (1990)							
Keira Inoue, et al., "Fabrication and Application of Fiber Bragg Grating - A Review," Optoelectronics-Devices and Technologies, Vol. 10, No. 1, pps. 119-130, (1995)							
EXAMINER M.R. SEDIGHIAN				DATE CONSIDERED 8/20/07			
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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	ATTY DOCKET NO. 4450-0386P	APPLICATION NO. Unassigned 10/618, 684
	APPLICANT Stephen B. Alexander, et al.	
	FILING DATE July 14, 2003	GROUP 2613 Unassigned
OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		
F. Bilodeau, et al., "High-Return-Loss Narrowband All-Fiber Bandpass Bragg Transmission Filter," IEEE Photonics Technology Letters, Vol. 6, No. 1, 1994, pps. 80-82		
D.A. Bryan, et al., "Integral Grating Coupler on an Optical Fiber," SPIE Vol. 574 Fiber Optic Couplers, Connectors, and Splice Technology II, pps. 56-61 (1985)		
Michael Corke, "Wavelength Division Multiplexers: Requirements, Installation and Testing," The 10th Annual National Fiber Optic Engineers Conference, Vol. 4, pps. 79-94 (1994)		
F. Diner et al., Network Design Consideration of n-channel WDM Architectures with EDFAs for Central Office Applications, National Fiber Optic Engineers Conf., pps. 1207-1214, June 18-22, 1995		
Jay Duncanson, "Inverse Multiplexing," IEEE Communications Magazine, pps. 35-41, (1994)		
"Report of the Question 25/15 Expert Meeting, 10-12 Oct. 1994," International Telecommunication Union, pps. 4-5, (1994)		
"Implementation of a Forward Error Correcting Code in Multigigabit Optical Fiber Submarine Cable Systems," International Telecommunications Union COM-125-828 pps. 1-13 (1994)		
Wayne D. Grover, et al., "Design and Characterization of an Error-Correcting Code for the SONET STS-1 Tributary," IEEE Transactions on Communications, Vol. 38, No. 4, pps. 467-476, (1990)		
IEEE Journal on Selected Areas in Communications, Vol. 8, No. 6, pps. 945-1222 (1990)		
Akira Inoue, et al., "Fabrication and Application of Fiber Bragg Grating - A Review," Optoelectronics Devices and Technologies, Vol. 10, No. 1, pps. 119-130, (1995)		
W.J. Lennon, et al., "High Speed Optical Links Between LLNL and Berkeley," Lawrence Livermore National Laboratory, Preprint UCRL-JC-118154, August 8, 1994		
"All-Fibre Narrowband Reflection Gratings at 1500nm," Electronics Letters, Vol. 26, No. 11, pps. 730-731 (1990)		
Ivan P. Kaminow, et al., "Introduction to Electrooptic Devices," Academic Press, pp. 73 (1974)		
Kuo-Chen Lee, et al., "Routing and Switching in a Wavelength Convertible Optical Network," Proc. IEEE Infocom '93 (IEEE Computer Society Press), Vol. 2, pps. 578-585 (1993)		
Mitchel Loeb, "Parallel Data Transmission Through an Optical Fiber Using Wavelength Division Multiplexing," North Carolina State University at Raleigh, Ph.D. Thesis (1985)		
G.E. Miller, et al., "Optical Fiber Telecommunications II," Academic Press, Inc., pps. 16-18 (1988)		
EXAMINER M.R. SEDIGHIAN	DATE CONSIDERED 8/20/07	
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Jonathan A. Nagel, et al., "Multigigabit Capacity 1.5um WDM Field Trial," OFC Technical Digest, pp. 28 (1991)							
H. Okamura, "Forward Error Correction for SDH Systems with Line Amplifiers, Including WDM," International Telecommunication Union, COM 15-148-E, pps. 1-4 (1994)							
David N. Payne, "Advances in Fibre Devices," OFC/IOOC Technical Digest Series, Vol. 4, pps. 394-397 (1993)							
Direlli, "T31 Multiwavelength Optical Amplifier System," Doc. 200-305-001, Issue 1, March (1995)							
Catherina M. Ragdale, et al., "Narrow and Fiber Grating Filters," IEEE Journal Select. Areas in Commun., Vol. 8, No. 6, pps. 1146-1150 (1990)							
Rajiv Ramaswami, "Multiwavelength Lightwave Networks for Computer Communication," IEEE Communications Magazine, Vol. 31, No. 2, pps. 78-88, (1993)							
D.W. Smith, et al, "Optical Processing in Future Coherent Networks," IEEE Global Telecommunications Conference, Vol. 1 pps. 18.21-18.2.6 (1987)							
W.V. Sorin et al., Tunable Single mode Fiber Reflective Grating Filter, OFC/I)C '87 Technical Digest, paper #THBR, pp. 194, January 1987							
C. Stenstrom, Draft recommendation G.ECSS: "Forward Error Correction for Submarine Systems," International Telecommunication Union, COM 15-199-E, pps. 1-11 September (1995)							
T. Tamir et al., "Guided-Wave Optoelectronics," New York: Springer-Verlag, pps. 145, 153, 182, 183, 317, 372, 382 (1988)							
TSB, "Report of Working Party 4/15 (Optical Transmission)," International Telecommunications Union, COM 15-R33-E, pp. 1, 194-205 (March 1995)							
TGB, "Part II.B of the Report of Working Party 4/15 (Optical Transmission)," International Telecommunications Union, COM 15-R49-E, pp. 1, 85-96 (December 1995)							
Djimitri Wiggert, Ph.D., "Error Control Coding and Applications," Artech House, Inc., (1978)							
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